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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/627,841	07/28/2000	Huiling Zhu	MEW1855/055	1077	
7	7590 08/29/2002				
Owen J. Meegan			EXAM	EXAMINER	
65 Dearborn Street Salem, MA 01970			PATEL, ASHOK		
			ART UNIT	PAPER NUMBER	
			2879		
			DATE MAILED: 08/29/2002	2	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
,	•		ZHU ET AL.			
		09/627,841				
	Office Action Summary	Examiner	Art Unit			
		Ashok Patel	2879			
Perio	The MAILING DATE of this communication appoint for Reply	gears on the cover s	Sireet with the component and the			
Д Т - -	SHORTENED STATUTORY PERIOD FOR REPL' HE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1 1 after SIX (6) MONTHS from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a repl if NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1 704(b).	I36(a). In no event, however,	ver, may a reply be timely filed mum of thirty (30) days will be considered timely. IX (6) MONTHS from the mailing date of this communication. become ABANDONED (35 U.S.C. § 133).			
) Responsive to communication(s) filed on					
	This action is FINAL . 2b)⊠ TI	his action is non-fir				
3	Since this application is in condition for allow closed in accordance with the practice under cosition of Claims	rance except for for Ex parte Quayle,	rmal matters, prosecution as to the merits is 1935 C.D. 11, 453 O.G. 213.			
4	1) Claim(s) 1-13 is/are pending in the applicatio					
	4a) Of the above claim(s) is/are withdra	awn from considera	ation.			
;	5) Claim(s) is/are allowed.					
4	6)⊡ Claim(s) <u>1, 3-13</u> is/are rejected.					
	7) Claim(s) is/are objected to.					
	8) Claim(s) are subject to restriction and/	or election require	ment.			
	lication Papers					
	9) The specification is objected to by the Examin	ner.	abjected to by the Evaminer			
1	0) The drawing(s) filed on 28 July 2000 is/are: a)[≥] accepted or b)[_ the denoting (a) had be	Joujected to by the Examiner.			
	Applicant may not request that any objection to t	tne drawing(s) be he	ed h)∏ disapproved by the Examiner.			
1	The proposed drawing correction filed on					
	If approved, corrected drawings are required in a		AIG. I			
	2) The oath or declaration is objected to by the E					
Pric	ority under 35 U.S.C. §§ 119 and 120	ian priority under 2	5 U.S.C. & 119(a)-(d) or (f)			
1	3) Acknowledgment is made of a claim for forei	igh phonty under 3	0 0.0.0. 3 1 10(0) (0) 0. (1).			
	a) All b) Some * c) None of:	into have been reco	eived			
	 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 					
	application from the International I * See the attached detailed Office action for a li	Bureau (PCT Rule ist of the certified c	opies not received.			
1	4) Acknowledgment is made of a claim for dome	stic priority under 3	35 U.S.C. § 119(e) (to a provisional application).			
	a) The translation of the foreign language part and the foreign la	provisional applica	tion has been received.			
	achment(s)					
1	X Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s	4)	Interview Summary (PTO-413) Paper No(s) Notice of Informal Patent Application (PTO-152) Other:			

Page 2 Application/Control Number: 09/627,841 Art Unit: 2879 The Examiner acknowledged that claim 2 has been cancelled 1. by a preliminary amendment. The co-pending U.S. Patent application serial number 09/074,633, cited at page 7, line 2 appears to be incorrect. Claims 6 and 7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. In claims 6 and 7: the term "and/or" renders the claims vague since it remains unclear as to whether the claims refer to "and" or "or". The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action: A person shall be entitled to a patent unless -(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States. The following is a quotation of 35 U.S.C. 103(a) which 4. forms the basis for all obviousness rejections set forth in this Office action: (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the

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differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 1 and 9-13 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Furmidge et al (U.S.P. 3,867,665) or Ohyama et al (U.S.P. 4,745,335) or Ohyama (U.S.P. 4,769,576), each applied individually.

Each of these prior art references cites a metal halide lamp as claimed by applicant including MgI2 or MgBr2 as a fill material besides mercury and rare gas fill.

Although none of these prior art references disclose or teach an (outer) envelope, the envelope is inherently provided for optimizing: additional protection, temperature and pressure etc.

Alternatively providing an (outer) envelope would have been obvious to one of ordinary skill in the art for optimizing: additional protection, temperature and pressure etc.

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6. Claims 1, 3-9 and 11 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Caruso (U.S.P. 5,698,948).

Each of these prior art references cites a metal halide lamp as claimed by applicant including MgI2 or MgBr2 as a fill material besides mercury and rare gas fill.

Although none of these prior art references discloses or teach an (outer) envelope, the envelope is inherently provided for optimizing: additional protection, temperature and pressure etc.

Alternatively providing an (outer) envelope would have been obvious to one of ordinary skill in the art for optimizing: additional protection, temperature and pressure etc.

Caruso further discloses the amp including: Na, at least one lanthanide element (col. 1, lines 30-32) as claimed by applicant. The amount of fill material is such that it satisfies applicant's claimed molar weight range.

The Examiner shifts burden to applicant to come forward and prove how different claimed molar weight ranges (in claims 3-7) are not disclosed by Caruso. Mere arguments would not overcome the rejection.

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7. Claims 1, 9 and 11 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Ohyama et al (U.S.P. 5,394,059).

Each of these prior art references cites a metal halide lamp as claimed by applicant including MgI2 or MgBr2 as a fill material besides mercury and rare gas fill.

Although none of these prior art references disclose or teach an (outer) envelope, the envelope is inherently provided for optimizing: additional protection, temperature and pressure etc.

Alternatively providing an (outer) envelope would have been obvious to one of ordinary skill in the art for optimizing: additional protection, temperature and pressure etc.

8. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Furmidge et al (U.S.P. 3,867,665) or Ohyama et al (U.S.P. 4,745,335) or Ohyama (U.S.P. 4,769,576) or Caruso (U.S.P. 5,698,948) or Ohyama et al (U.S.P. 5,394,059), each applied individually.

None of these prior art references discloses the lamp envelope having pressure in a certain range as claimed by applicant. However, it would have been obvious to one of ordinary skill in the art to provide the outer envelope with a

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suitable pressure for optimizing the operating characteristics of the lamp with respect to selection of discharge pressure, fill material, operating voltage etc.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ashok Patel whose telephone number is 703-305-4934. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel can be reached on 703-305-4794. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7382 for regular communications and 703-308-7382 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4900.

Ashok Patel Primary Examiner Art Unit 2879

Ashsh

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